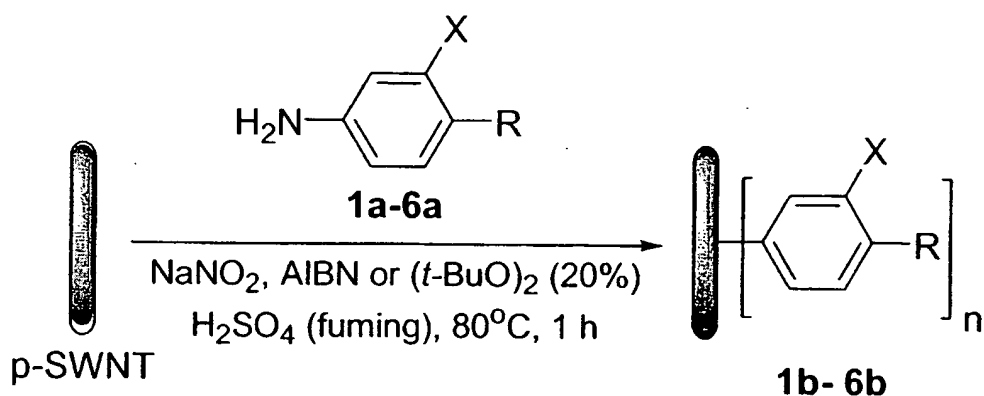


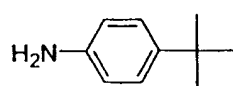
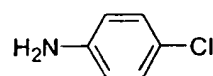
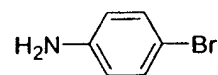
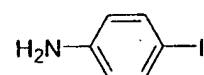
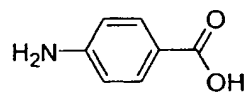
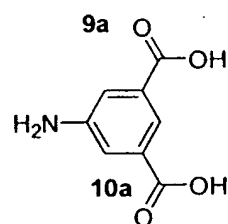
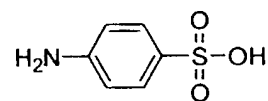
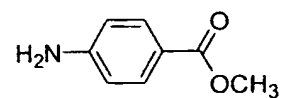
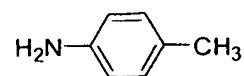
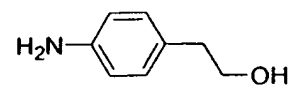
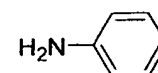
Scheme 1



- 1a.** R = H, X = H to **1b.** R = SO<sub>3</sub>H, X = H  
**2a.** R = NO<sub>2</sub>, X = H to **2b.** R = NO<sub>2</sub>, X = SO<sub>3</sub>H  
**3a.** R = Cl, X = H to **3b.** R = Cl, X = SO<sub>3</sub>H  
**4a.** R = *t*-butyl, X = H to **4b.** R = *t*-butyl, X = H and SO<sub>3</sub>H (~1:1)<sup>a</sup>  
**5a.** R = CH<sub>2</sub>CH<sub>2</sub>OH, X = H to **5b.** R = CH<sub>2</sub>CH<sub>2</sub>OH, X = SO<sub>3</sub>H<sup>b</sup>  
**6a.** R = SO<sub>3</sub>H, X = H to **6b.** R = SO<sub>3</sub>H, X = H

Fig. 1

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**4a****3a****7a****8a****9a****10a****6a****11a****12a****5a****2a****1a****Fig. 2**

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Scheme 2

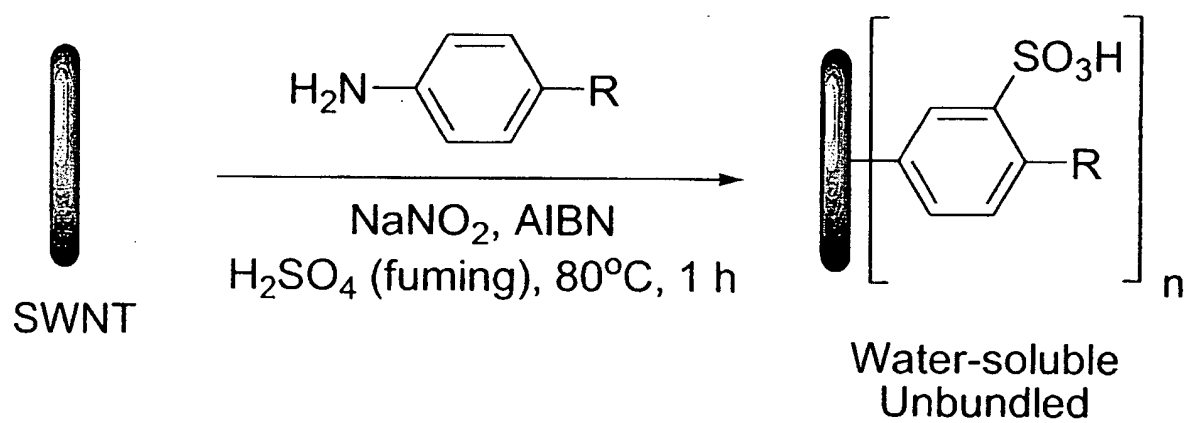


Fig. 3

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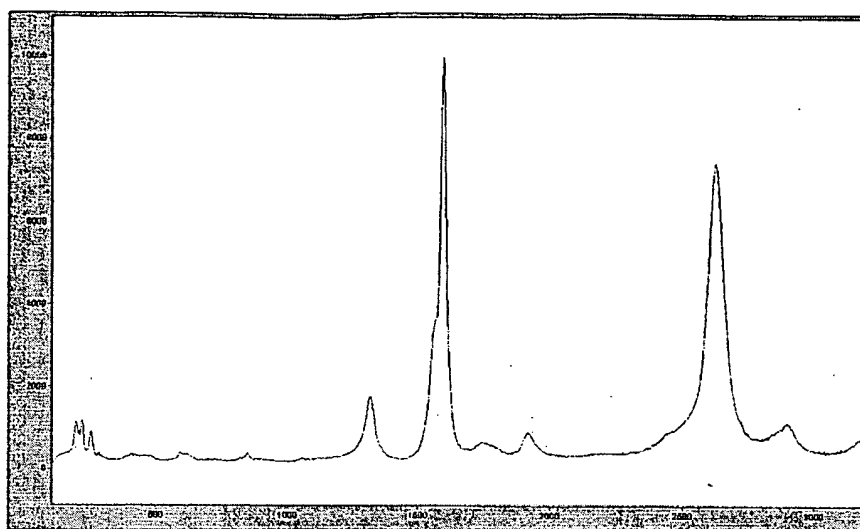


Fig. 4

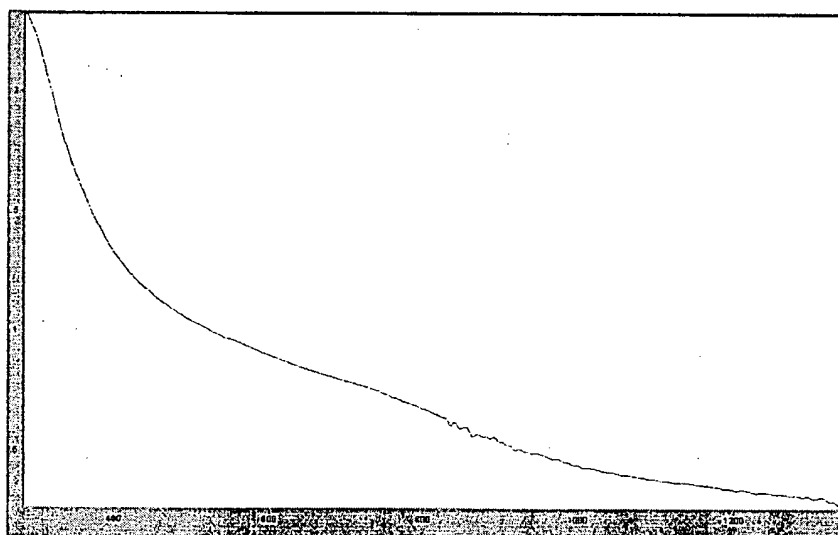


Fig. 5

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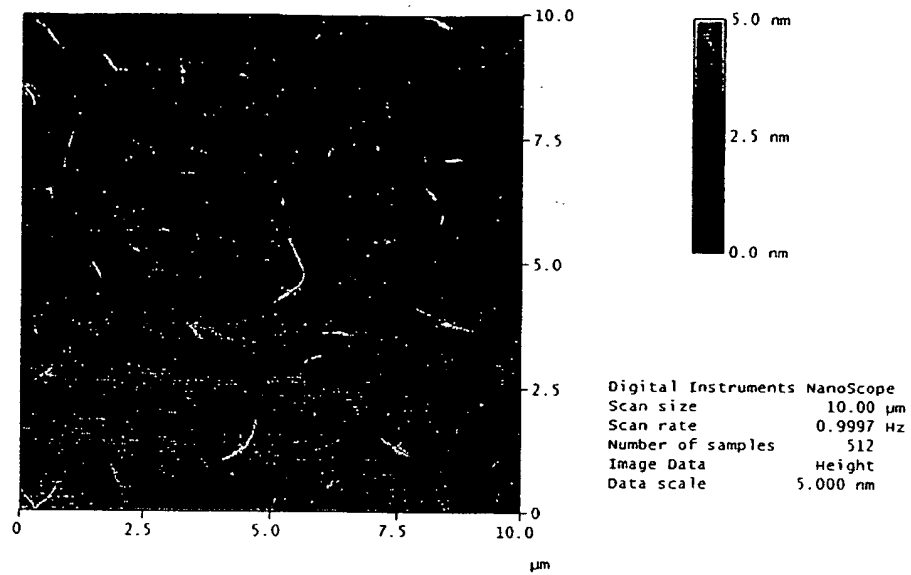


Fig. 6

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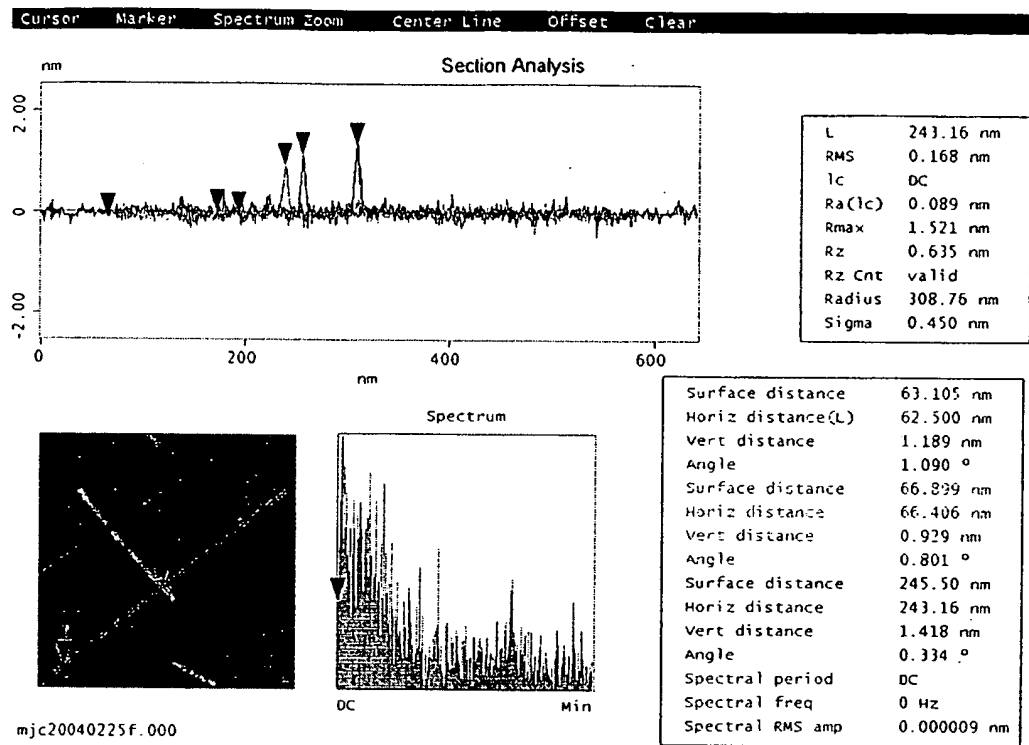


Fig. 7

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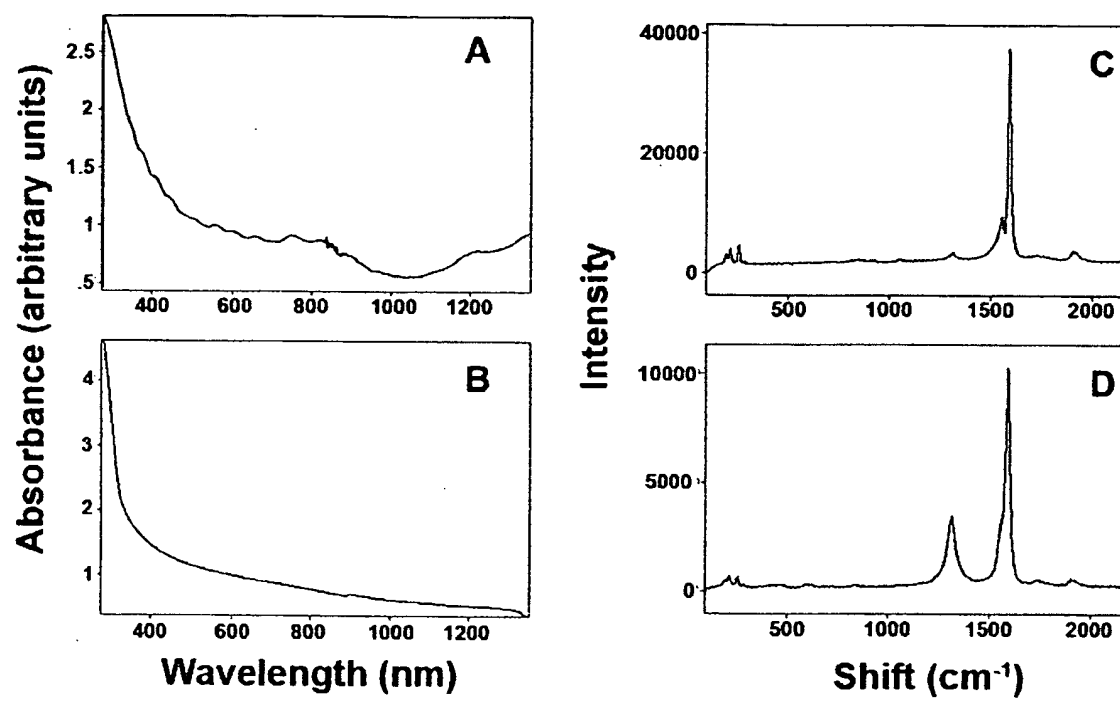


Fig. 8

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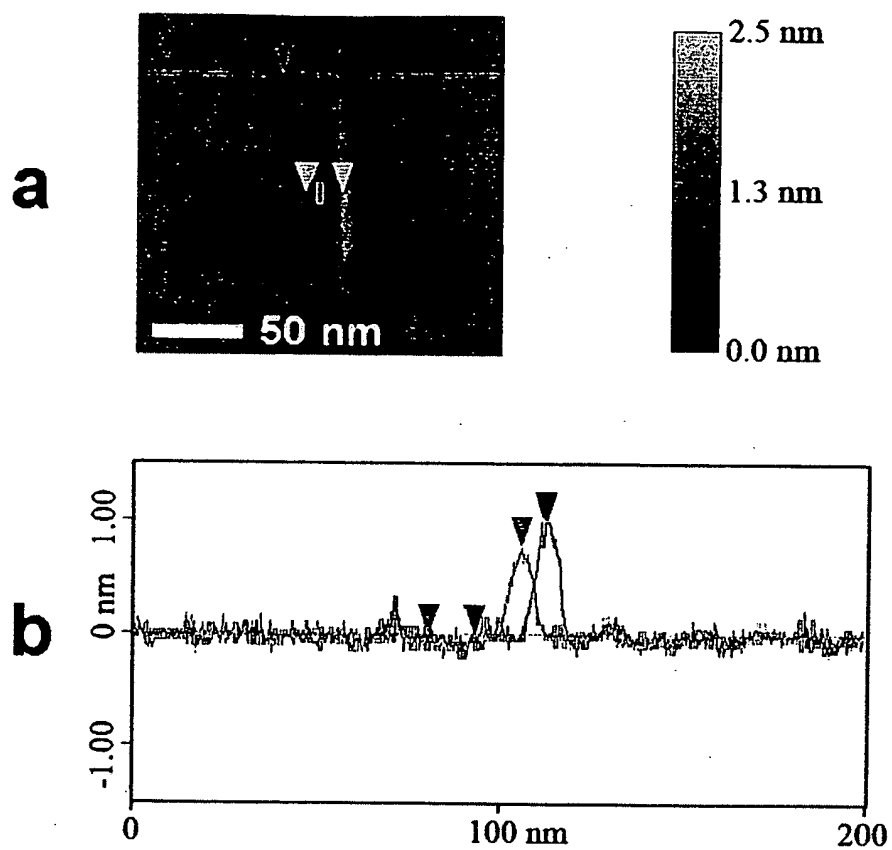


Fig. 9



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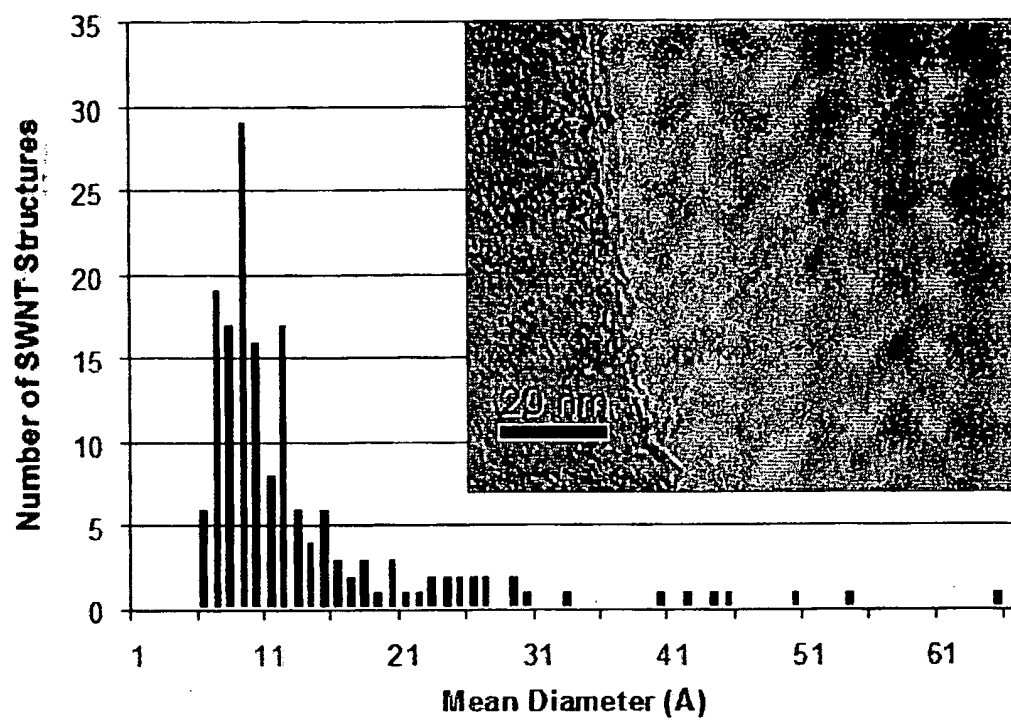


Fig. 10

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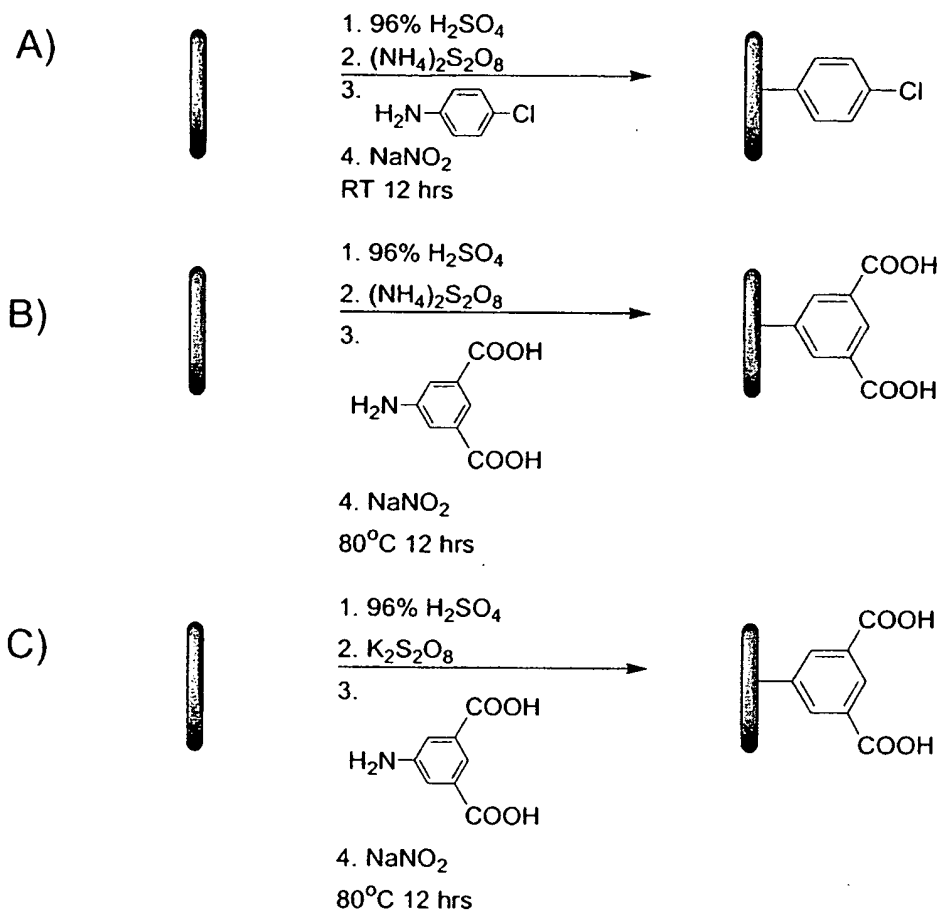
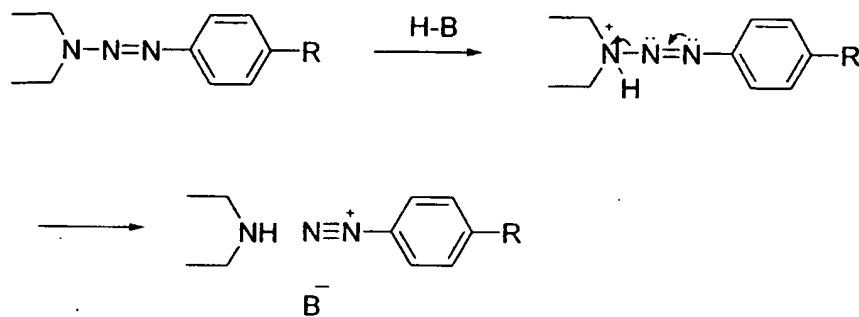


Fig. 11

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Scheme 3



H-B = Acidic Media

Fig. 12

Scheme 4

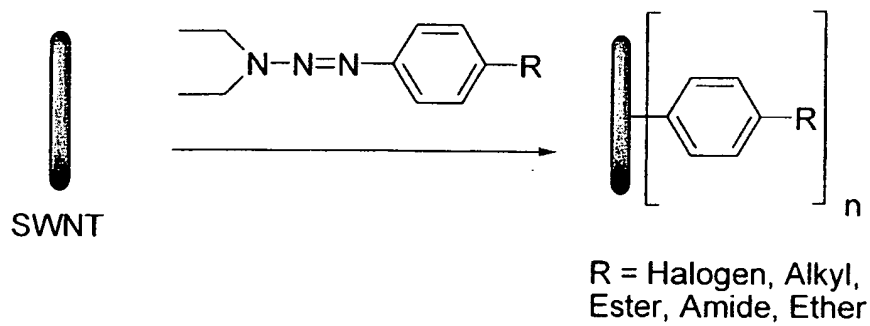


Fig. 13